

## Aquarea T-CAP Bi-bloc K Series Single phase / Three phase. Heating and Cooling · R32

**Energy efficiency:** A+++ in heating at 35 °C and A+ in DHW / "A" water pump with variable speed / Built-in flow meter.

**Flexibility:** Built-in magnetic water filter.

**Comfort:** Constant capacity down to -20 °C / Operating range down to -28 °C / 60 °C hot water even at -10 °C outside temperature.

**Control:** Optimised user interface and improved features (2 zone control, bivalent control).

**Connectivity:** Optional Aquarea Smart and Service Cloud and integration into BMS projects.



		Single phase (power to indoor)			Three phase (power to indoor)		
		KIT-WXC09K3E5	—	KIT-WXC09K3E8	—	—	—
		KIT-WXC09K6E5	KIT-WXC12K6E5	—	—	—	—
		—	—	KIT-WXC09K9E8	KIT-WXC12K9E8	KIT-WXC16K9E8	—
Heating capacity / COP (A +7 °C, W 35 °C)	kW / COP	9,00/5,03	12,10/4,84	9,00/5,03	12,10/4,84	16,00/4,38	—
Heating capacity / COP (A +7 °C, W 55 °C)	kW / COP	9,00/3,07	12,10/3,04	9,00/3,07	12,10/3,04	16,00/2,72	—
Heating capacity / COP (A +2 °C, W 35 °C)	kW / COP	9,00/3,69	12,00/3,44	9,00/3,69	12,00/3,44	16,00/3,10	—
Heating capacity / COP (A +2 °C, W 55 °C)	kW / COP	9,00/2,31	12,00/2,29	9,00/2,31	12,00/2,29	16,00/2,07	—
Heating capacity / COP (A -7 °C, W 35 °C)	kW / COP	9,00/3,00	12,00/2,72	9,00/3,00	12,00/2,72	16,00/2,39	—
Heating capacity / COP (A -7 °C, W 55 °C)	kW / COP	9,00/2,10	12,00/2,29	9,00/2,10	12,00/2,29	16,00/1,71	—
Cooling capacity / EER (A 35 °C, W 7 °C)	kW / EER	8,80/3,11	10,70/2,68	8,80/3,11	10,70/2,68	13,40/2,64	—
Cooling capacity / EER (A 35 °C, W 18 °C)	kW / EER	8,80/4,63	10,70/3,92	8,80/4,63	10,70/3,92	13,40/2,64	—
Heating average climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,96/3,57(195/140)	4,58/3,46(180/135)	4,46/3,31(176/129)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A++	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Heating warm climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	6,47/4,34(256/171)	5,88/4,09(232/160)
	Energy class <sup>1)</sup>	A+++ to D	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++	A+++/A+++
Heating cold climate (W 35 °C / W 55 °C)	Seasonal energy efficiency	SCOP (η <sub>s</sub> %)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	4,31/3,26(169/127)	3,83/3,20(150/125)
	Energy class <sup>1)</sup>	A+++ to D	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
<b>Indoor unit 3 kW electric heater</b>		<b>WH-SXC09K3E5</b>	—	<b>WH-SXC09K3E8</b>	—	—	—
<b>Indoor unit 6 kW electric heater</b>		<b>WH-SXC09K6E5</b>	<b>WH-SXC12K6E5</b>	—	—	—	—
<b>Indoor unit 9 kW electric heater</b>		—	—	<b>WH-SXC09K9E8</b>	<b>WH-SXC12K9E8</b>	<b>WH-SXC16K9E8</b>	—
Sound pressure	Heat / Cool	dB(A)	33/33	33/33	33/33	33/33	33/33
Dimension	H x W x D	mm	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348	892 x 500 x 348
Net weight 3 kW / 6 kW / 9 kW		kg	40/41/—	—/41/—	40/—/41	—/—/41	—/—/42
Water pipe connector		Inch	R 1¼	R 1¼	R 1¼	R 1¼	R 1¼
A class pump	Number of speeds		Variable speed	Variable speed	Variable speed	Variable speed	Variable speed
	Input power	W	145	145	145	145	173
Heating water flow (ΔT=5 K, 35 °C)		L/min	25,8	34,4	25,8	34,4	45,9
<b>Outdoor unit</b>		<b>WH-UXZ09KE5</b>	<b>WH-UXZ12KE5</b>	<b>WH-UXZ09KE8</b>	<b>WH-UXZ12KE8</b>	<b>WH-UXZ16KE8</b>	—
Sound power <sup>2)</sup>	Heat	dB(A)	65	65	65	65	65
Dimension	H x W x D	mm	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320	1340 x 900 x 320
Net weight		kg	88	88	90	90	103
Refrigerant (R32) / CO <sub>2</sub> Eq.		kg / T	1,60/1,080	1,60/1,080	1,60/1,080	1,60/1,080	1,83/1,235
Piping diameter	Liquid / Gas	Inch (mm)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)	1/4(6,35)/1/2(12,70)
Pipe length range / Elevation difference (in / out)		m	3-30/20	3-30/20	3-30/20	3-30/20	3-30/20
Pre-charged pipe length / Additional gas amount		m / g/m	10/30	10/30	10/30	10/30	10/30
Operating range - outdoor ambient	Heat	°C	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35	-28 ~ +35
	Cool	°C	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43	+10 ~ +43
Water outlet <sup>3)</sup>	Heat / Cool	°C	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20	20 ~ 60/5 ~ 20

Electrical information	Heater	3 kW	6 kW	6 kW	3 kW	9 kW	9 kW	9 kW
Electric backup heater	kW	3,00	6,00	6,00	3,00	9,00	9,00	9,00
Recommended fuse	A	30/15 or 16	30/30	30/30	20/15 or 16	20/20	20/20	20/20
Recommended minimum cable size, supply 1 / 2 <sup>4)</sup>	mm <sup>2</sup>	3x4,0/3x1,5	3x4,0/3x4,0	3x4,0/3x4,0	5x1,5/3x1,5	5x1,5/5x1,5	5x1,5/5x1,5	5x2,5/5x1,5

1) Scale from A+++ to D. 2) Sound power level in accordance to EN12102 under conditions of the EN14825. 3) Between outdoor ambient -10 °C and -15 °C, the water outlet temperature gradually decreases from 60 °C to 55 °C. 4) Check local regulations. \* Available in Summer 2024. \*\* EER and COP classification is at 230 V only in accordance with EU directive 2003/32/EC. \*\*\* This product is designed to comply with the European drinking water standard (EU) 2020/2184. The lifespan of the product is not guaranteed in the case of the use of groundwater, such as spring water or well water, the use of tap water when salt or other impurities are contained, nor in areas of acidic water quality. Maintenance and warranty costs related to these cases are the customer's responsibility.

Accessories	
<b>CZ-RTW1</b>	Optional remote controller for 2 zone control. K and L Series
<b>PAW-TD20C1E5-1</b>	Tank 200 L - Stainless steel
<b>PAW-TD30C1E5-1</b>	Tank 300 L - Stainless steel
<b>PAW-TA20C1E5STD</b>	Tank 200 L - Enamelled
<b>PAW-TA30C1E5STD</b>	Tank 300 L - Enamelled
<b>PAW-3WYVLV-HW</b>	3 way valve for DHW tanks
<b>CZ-NV2</b>	3 way valve kit to fit inside the hydrokit. K and L Series

Accessories	
<b>PAW-BTANK50L-2</b>	Buffer tank 50 L
<b>CZ-TAW1B</b>	Aquarea Smart Cloud for remote control and maintenance through wireless or wired LAN
<b>CZ-TAW1-CBL</b>	10 m extension cable for CZ-TAW1B
<b>CZ-NS5P</b>	PCB for advanced functions
<b>PAW-A2W-RTWIRED</b>	Room thermostat
<b>PAW-A2W-RTWIREDLESS</b>	Wireless LCD room thermostat



INTERNET CONTROL: Optional.